



TFW

S&H Form: (2/01)
DOCKET NO. 1454.1629

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Martin BOSSERT et al.

Serial No: 10/553,411

Group Art Unit: 2618

Confirmation No. 3710

Filed: October 17, 2005

Examiner: Unknown

For: METHOD AND TRANSMITTER FOR TRANSMITTING DATA IN A MULTI-CARRIER
SYSTEM VIA A NUMBER OF TRANSMITTING ANTENNAS

REQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

It is requested that the city of the second and fifth Inventors, name of the third Inventor, and Assignee on the Official Filing Receipt be corrected. The city of the second and fifth Inventors should be correctly reflected as **Munich**. The name of the third Inventor is Axel HÜBNER. Assuming that umlauts cannot be printed on the Notice of Recordation of Assignment Document, the name of the third Inventor should be recorded as **Axel HUEBNER**, using conventional transliteration to substitute "ue" for "ü". The Assignee should be correctly reflected as **SIEMENS AG, Munich, GERMANY**. These corrections are evidenced by the executed Declaration and Assignment, attached to the application as filed. For the convenience of the Patent and Trademark Office, attached is a photocopy of the original receipt on which the errors have been noted in red.



It is requested that a corrected Official Filing Receipt be issued in this application.

Respectfully submitted,

STAAS & HALSEY LLP

Date: August 4, 2006

By: Mark J. Henry
Mark J. Henry
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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 Alexandria, Virginia 22313-1450
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/553,411	10/17/2005	2618	900	1454.1629	1	12	2

CONFIRMATION NO. 3710

FILING RECEIPT



OC000000019404731

21171
 STAAS & HALSEY LLP
 JIM LIVINGSTON
 SUITE 700
 1201 NEW YORK AVENUE, N.W.
 WASHINGTON, DC 20005

Date Mailed: 07/07/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Martin Bossert, Ulm, GERMANY; --Munich--
 Elena Costa, [Munich] GERMANY; --Huebner--
 Axel Hubner, Ulm, GERMANY; --Munich--
 Matthias Lott, Neuried, GERMANY; --Munich--
 Egon Schulz, [Munich] GERMANY; --Munich--
 --Assignment For Published Patent Application--
 --SIEMENS AG, Munich, GERMANY--
 Power of Attorney: The patent practitioners associated with Customer Number 21171.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/EP04/02773 03/17/2004

Foreign Applications

EUROPEAN PATENT OFFICE (EPO) 03008902.3 04/16/2003

If Required, Foreign Filing License Granted: 06/22/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/553,411**

Projected Publication Date: 10/05/2006

Non-Publication Request: No

Early Publication Request: No

Title

Method and transmitter for transmitting data in a multi-carrier system via a number of transmitting antennas

Preliminary Class

455

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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Declaration and Power of Attorney For Patent Application
Erklärung Für Patentanmeldungen Mit Vollmacht
German Language Declaration



Als nachstehend benannter Erfinder erkläre ich hiermit an Eides Statt:

dass mein Wohnsitz, meine Postanschrift, und meine Staatsangehörigkeit den im Nachstehenden nach meinem Namen aufgeführten Angaben entsprechen, dass ich, nach bestem Wissen der ursprüngliche, erste und alleinige Erfinder (falls nachstehend nur ein Name angegeben ist) oder ein ursprünglicher, erster und Mitfinder (falls nachstehend mehrere Namen aufgeführt sind) des Gegenstandes bin, für den dieser Antrag gestellt wird und für den ein Patent für die Erfindung mit dem Titel beantragt wird:

Verfahren und Sender zur Übertragung von Daten in einem Mehrträgersystem über eine Mehrzahl von Sendeantennen

deren Beschreibung hier beigefügt ist, es sei denn (in diesem Falle Zutreffendes bitte ankreuzen), diese Erfindung

- ☒ wurde angemeldet am 17.03.2004 unter der US-Anmeldenummer oder unter der Internationalen Anmeldenummer im Rahmen des PCT-Vertrags PCT/EP2004/002773 und am 16.07.2005 abgeändert (falls zutreffend).

Ich bestätige hiermit, dass ich den Inhalt der obigen Patentanmeldung einschliesslich der Ansprüche, die eventuell durch einen Zusatzantrag wie oben erwähnt abgeändert wurde, durchgesehen und verstanden habe.

Ich erkenne meine Pflicht zur Offenbarung jeglicher Informationen an, die zur Prüfung der Patentfähigkeit in Einklang mit Titel 37, Code of Federal Regulations, § 1.56 von Belang sind.

Ich beanspruche hiermit ausländische Prioritätsvorteile gemäß Title 35, United States Code, § US-Code, § 119 (a)-(d), bzw. § 365(b) aller unten aufgeführten Auslandsanmeldungen für Patente oder Erfinderurkunden, oder § 365(a) aller PCT internationalen Anmeldungen, welche wenigstens ein Land ausser den Vereinigten Staaten von Amerika benennen, und habe nachstehend durch ankreuzen sämtliche Auslandsanmeldungen für Patente bzw. Erfinderurkunden oder PCT Internationale Anmeldungen angegeben, deren Anmeldetag dem der Anmeldung, für welche Priorität beansprucht wird, vorangeht.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Verfahren und Sender zur Übertragung von Daten in einem Mehrträgersystem über eine Mehrzahl von Sendeantennen

the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on 17.03.2004 as United States Application Number or PCT International Application Number PCT/EP2004/002773 and was amended on 16.07.2005 (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority under Title 35, 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

IDNR: 2590 / V: 04-1.03 / B: Val

Prior foreign applications
Priorität beansprucht

Priority Claimed

EP03008902

EP

16.04.2003

(Number)
(Nummer)

(Country)
(Land)

(Day Month Year Filed)
(Tag Monat Jahr eingereicht)

☒ ☐
Yes No
Ja Nein

(Number)
(Nummer)

(Country)
(Land)

(Day Month Year Filed)
(Tag Monat Jahr eingereicht)

☐ ☐
Yes No
Ja Nein

(Number)
(Nummer)

(Country)
(Land)

(Day Month Year Filed)
(Tag Monat Jahr eingereicht)

☐ ☐
Yes No
Ja Nein

(Number)
(Nummer)

(Country)
(Land)

(Day Month Year Filed)
(Tag Monat Jahr eingereicht)

☐ ☐
Yes No
Ja Nein

Ich beanspruche hiermit die mir unter Title 35, US-Code, § 120 zustehenden Vorteile aller unten aufgeführten US-Patentanmeldungen bzw. § 365(c) aller PCT internationalen Anmeldungen, welche die Vereinigten Staaten von Amerika benennen, und erkenne, insofern der Gegenstand eines jeden früheren Anspruchs dieser Patentanmeldung nicht in einer US-Patentanmeldung, bzw. PCT internationalen Anmeldung in einer gemäß dem ersten Absatz von Title 35, US-Code, § 112 vorgeschriebenen Art und Weise offenbart wurde, meine Pflicht zur Offenbarung jeglicher Informationen an, die zur Prüfung der Patentfähigkeit in Einklang mit Title 37, Code of Federal Regulations, § 1.56 von Belang sind und die im Zeitraum zwischen dem Anmeldetag der früheren Patentanmeldung und dem nationalen oder im Rahmen des Vertrags über die Zusammenarbeit auf dem Gebiet des Patentwesens (PCT) gültigen internationalen Anmeldetags bekannt geworden sind.

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

PCT/EP2004/002773

17.03.2004

(Application Serial No.)
(Anmeldeseriennummer)

(Filing Date D, M, Y)
(Anmeldedatum T, M, J)

anhängig

(Status)
(patentiert, anhängig,
aufgegeben)

pending

(Status)
(patented, pending,
abandoned)

(Application Serial No.)
(Anmeldeseriennummer)

(Filing Date D, M, Y)
(Anmeldedatum T, M, J)

(Status)
(patentiert, anhängig,
aufgeben)

(Status)
(patented, pending,
abandoned)

Ich erkläre hiermit, daß alle in der vorliegenden Erklärung von mir gemachten Angaben nach bestem Wissen und Gewissen der Wahrheit entsprechen, und ferner daß ich diese eidesstattliche Erklärung in Kenntnis dessen ablege, daß wissentlich und vorsätzlich falsche Angaben oder dergleichen gemäß § 1001, Title 18 des US-Code strafbar sind und mit Geldstrafe und/oder Gefängnis bestraft werden können und daß derartige wissentlich und vorsätzlich falsche Angaben die Rechtswirksamkeit der vorliegenden Patentanmeldung oder eines aufgrund deren erteilten Patentes gefährden können.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

German Language Declaration

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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (list name and registration number)

Customer No. 21171

And I hereby appoint

Telefongespräche bitte richten an:
(Name und Telefonnummer)

Direct Telephone Calls to: (name and telephone number)

Ext. _____

Postanschrift:

Send Correspondence to:

Staas & Halsey LLP Intellectual Property Attorneys
1201 New York Avenue, NW, Suite 700 20005 Washington UNITED STATES OF AMERICA
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OR

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Voller Name des einzigen oder ursprünglichen Erfinders: Prof. Martin Bossert		Full name of sole or first inventor: Prof. Martin Bossert	
Unterschrift des Erfinders <i>Martin Bossert</i>	Datum <i>8.8.2005</i>	Inventor's signature	Date
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GERMANY		GERMANY	
Voller Name des zweiten Miterfinders (falls zutreffend): Dr. Elena Costa		Full name of second joint inventor, if any: Dr. Elena Costa	
Unterschrift des Erfinders	Datum	Inventor's signature	Date
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81739 München		81739 München	
GERMANY		GERMANY	

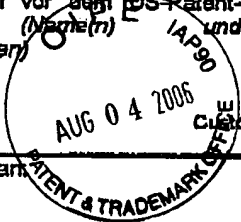
(Bitte entsprechende Informationen und Unterschriften im Falle von dritten und weiteren Miterfindern angeben).

(Supply similar information and signature for third and subsequent joint inventors).

German Language Declaration

VERTRETUNGSVOLLMACHT: Als benannter Erfinder beauftrage ich hiermit den (die) nachstehend aufgeführten Patentanwalt (Patentanwälte) und/oder Vertreter mit der Verfolgung der vorliegenden Patentanmeldung sowie mit der Abwicklung aller damit verbundenen Angelegenheiten vor dem US-Patent- und Markenamt (Name(n) und Registrierungsnummer(n) auflisten)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (list name and registration number)



Customer No. 21171

And I hereby appoint

Telefongespräche bitte richten an:
(Name und Telefonnummer)

Direct Telephone Calls to: (name and telephone number)

Ext. _____

Postanschrift:

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Voller Name des einzigen oder ursprünglichen Erfinders: Prof. Martin Bossert		Full name of sole or first inventor: Prof. Martin Bossert	
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Unterschrift des Erfinders	Datum	Inventor's signature	Date
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Staatsangehörigkeit: DE		Citizenship: DE	
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GERMANY		GERMANY	

(Bitte entsprechende Informationen und Unterschriften im Falle von dritten und weiteren Miterfindern angeben).

(Supply similar information and signature for third and subsequent joint inventors).

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Unterschrift des Erfinders <i>Matthias Lott</i>	Datum 3/8/05	Inventor's signature <i>Matthias Lott</i>	Date 3/8/05
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GERMANY		GERMANY	
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Staatsangehörigkeit		Citizenship	
Postanschrift		Post Office Address	

(Bitte entsprechende Informationen und Unterschriften im Falle von dritten und weiteren Miterfindern angeben).

(Supply similar information and signature for third and subsequent joint inventors).

Datum

+

Unterschrift

Voller Name des dritten Miterfinders:		Full name of third joint inventor
Axel Hübner		Axel Hübner
Unterschrift des Erfinders	Datum	Date
<i>X</i> <i>Axel Hübner</i> <i>X</i> <i>12.08.2005</i>		
Wohnsitz		Residence
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GERMANY		GERMANY
Voller Name des vierten Miterfinders		Full name of fourth joint inventor
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Staatsangehörigkeit		Citizenship
DE		DE
Postanschrift		Post Office Address
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82061 Neuried		82061 Neuried
GERMANY		GERMANY
Voller Name des fünften Miterfinders		Full name of fifth joint inventor
Dr. Egon Schulz		Dr. Egon Schulz
Unterschrift des Erfinders	Datum	Date
Wohnsitz		Residence
München, GERMANY		München, GERMANY
Staatsangehörigkeit		Citizenship
DE		DE
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Wittenberger Str. 3		Wittenberger Str. 3
80993 München		80993 München
GERMANY		GERMANY
Voller Name des sechsten Miterfinders		Full name of sixth joint inventor
Unterschrift des Erfinders	Datum	Date
Wohnsitz		Residence
Staatsangehörigkeit		Citizenship
Postanschrift		Post Office Address

(Bitte entsprechende Informationen und Unterschriften im Falle von dritten und weiteren Miterfindern angeben)

(Supply similar information and signature for third and subsequent joint inventors).

ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

Prof. Martin Bossert
residing at:
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80993 München
GERMANY

residing at:

residing at:

residing at:

hereby sell, assign, and transfer to

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(Title:) **Verfahren und Sender zur Übertragung von Daten in einem Mehrträgersystem über eine Mehrzahl von Sendeantennen**

disclosed in the PCT international application for Letters Patent designating the United States, said application being identified in our records as

Applicants File No. **2003P05631WOUS**
and filed as PCT-application **PCT/EP2004/002773**

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements;

hereby agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name and that when requested without charge to but at the expense of said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 3.8.2005

Martin Bossert
Prof. Martin Bossert

Witnesses: Günther Haas
(type name) Günther Haas

Witnesses: B. Stender
(type name) BORIS STENDER

Date: _____

Dr. Elena Costa

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

Axel Hübner

Witnesses: _____
(type name)

Witnesses: _____
(type name)

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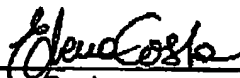
Date: _____


Prof. Martin Bossert

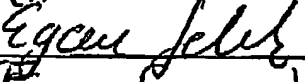
Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: 03.08.2005


Dr. Elena Costa

Witnesses: 
(type name) (MARTIN WECKERLE)

Witnesses: 
(type name) (EGON SCHÜTZ)

Date: _____

Axel Hübner

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: 03.08.05

Matthias Lott
Matthias Lott

Witnesses: Egon Schulz
(type name) Egon Schulz

Witnesses: Elena Costa
(type name) ELENA-COSTA

Date: 03/08/2005

Egon Schulz
Dr. Egon Schulz

Witnesses: Rüdiger Hoffmann
(type name) Rüdiger Hoffmann

Witnesses: Hui Li
(type name) Hui Li

Date: _____

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)

Witnesses: _____
(type name)

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Date: _____

Prof. Martin Bossert

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

Dr. Elena Costa

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: 12.08.2005

Axel Hübner
Axel Hübner

Witnesses: Fanny R. Wheeler
(type name) Fanny R. Wheeler

Witnesses: Leona Strickland
(type name) Leona Strickland